

ABSTRACT

An anti-glare film is obtained by forming a resin layer having a low refraction index on an anti-glare layer obtained by coating a transparent plastic film with a liquid composition containing a polymer, a curable resin precursor, and a solvent, evaporating the solvent, forming a phase separation structure by spinodal decomposition, and curing the precursor with light irradiation.

The anti-glare film has an uneven surface structure in the anti-glare layer, isotropically transmits and scatters an incident light to show the maximum value of the scattered light intensity at a scattering angle of $0.1-10^\circ$, and has a total light transmittance of 70-100%. The film prevents dazzle or blur of images on a display surface, and reflection of a surrounding scenery, and improves contrast with reducing whitening of the display, even in a high definition display apparatus.